

## Lisa Levin, Ph.D.

Director, Center for Marine Biodiversity and Conservation  
Distinguished Professor, Integrative Oceanography Division  
Scripps Institution of Oceanography  
9500 Gilman Drive  
La Jolla, California 92093-0218  
Email: llevin @ ucsd.edu  
Phone: 858-534-3579  
Fax: 858-822-0562

## Education

B.S., Radcliffe College  
Ph.D., UC San Diego, Scripps Institution of Oceanography

## Current Research

Dr. Levin is a marine ecologist who studies benthic ecosystems in the deep sea and shallow water. Together with her students Dr. Levin has worked with a broad range of taxa, from microbes and microalgae to invertebrates and fishes. Her recent research has emphasized 3 major themes: (1) the structure, function and vulnerability of continental margin ecosystems, particularly those subject to oxygen and sulfide stress; (2) wetland biotic interactions as they mediate marsh function, invasion and restoration; and (3) larval ecology of coastal marine populations with emphasis on connectivity and response to ocean acidification and deoxygenation. The deep ocean covers over half of the planet but most of it is less well known than the surface of the moon.

## Recent Publications

Grant, S.B., J.D. Sahpores, D.L. Feldman, A.J. Hamilton, T. Fletchers, P. Cook, M. Stewardson, B.F. Sanders, L.A. Levin, R.F. Ambrose, A. Deletic, R. Brown, S.C. Jiang, D. Rosso, W.J. Cooper, and I. Marusic. Low-Energy Options for Making Water from Wastewater. *Science*. In press.

Lopez-Duarte, P.C., Carson, H.S., Cook, G.S., Fodrie, F. J., Becker, B.J., DiBacco, C. and Levin, L.A. What Controls Connectivity? An Empirical, Multi-species Approach. *Integrative and Comparative Biology*. In press.

Thornhill, D., Struck, T.H., Ebbe, B., Mendoza G., Levin, L., and Halaynch K. Adaptive Radiation in Extremophilic Dorvilleidae (Annelida): Diversification of a Single Colonizer or Multiple Independent Lineages? *Ecology and Evolution*. doi: 10.1002/ece3.314 (2012 )

Zirino, A., C. Neira, F. Maicu, L.A. Levin. Comments on and Implications of Steady-State in Coastal Marine Ecosystems. *Chemistry and Ecology* DOI:10.1080/02757540.2012.696613

C. A. Frieder, S. Nam, T. R. Martz and L. A. Levin. High temporal and spatial variability of dissolved oxygen and pH in a nearshore California kelp forest. Biogeosciences Discussion 9, 4099-4132, 2012

Hunter, W.R., L.A. Levin, H. Kitazato, U. Witte. Macrofaunal assemblage structure and organismal stoichiometry control faunal processing of particulate organic carbon and nitrogen in oxygen minimum zone sediments. Biogeosciences 9, 993-1006 (2012)

Levin, L.A., V.J. Orphan, G.W. Rouse, W. Ussler, A. E. Rathburn, G. S. Cook, S. Goffredi, E. Perez, A. Waren, B. Grupe, G. Chadwick, B. Strickrott. A hydrothermal seep on the Costa Rica margin: Middle ground in a continuum of reducing ecosystems. Proc. Royal Soc. B. doi: 10.1098/rspb.2012.0205 (2012)

Bernardino, A. Levin, L.A., Thurber, A., Smith, C. Comparative composition, diversity and trophic ecology of sediment macrofauna at vents, seeps and organic falls. PLoS ONE 7(4): e33515. doi:10.1371/journal.pone.0033515 (2012)

Thurber, A.R., Levin, L.A., Orphan, V.J. and Marlow, J. Archaea in Metazoan Diets: Implications for Food Webs and Biogeochemical Cycling. The ISME Journal (2012)

Hofmann, G.E., Smith, J.E., Johnson K.S., Send U., Levin L.A., Micheli F., Paytan A., Price, N.N., Peterson, B., Takeshita, Y., Matson, P., Crook, E.D., Kroeker, K.J., Gambi, M.C., Rivest, E.B., Frieder, C.A., Yu, P.C., Martz, T.R. High-frequency dynamics of ocean pH: a multi-ecosystem comparison. PLoS ONE 6(12): e28983. doi:10.1371/journal.pone.0028983 (2011)

Guilini, K., Levin, L.A., Vanreusel A. Cold seep and oxygen stress-induced heterogeneity affect nematode assemblages, diversity and nutrition at the Cascadian margin (NE Pacific Ocean). Progress in Oceanography 96: 77-92 (2012)

Van Dover CL, Smith CR, Ardran J, Dunn D, Gjerde K, Levin L and the Dinard Workshop Contributors. Uncharted Waters: Placing Deep-Sea Chemosynthetic Ecosystems In Reserve. Marine Policy (2011)

Curran, C.A., L.A. Levin, T.S. Talley, R. Michener, D. Talley. The role of cyanobacteria in southern California salt marsh food webs. Marine Ecology 32: 346-363

Levin, L.A. and M. Sibuet. Understanding Continental Margin Biodiversity: A New Imperative. Ann. Rev. Mar. Sci. (2012) doi: 10.1146/annurev-marine-120709-142714